

Curriculum Vitae Randi Jacobsen Bertelsen

Born May 19th, 1973
Two children, born 2005, 2007
Nationality: Norwegian
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Educational Background

2010 PhD, University of Oslo
2001 MSc, University of Bergen

Professional Record

08/2018- 50% researcher position at the University of Bergen, Dept of Clinical Science and 50% researcher position at Oral Health Centre of Expertise in Western Norway/Vestland, Bergen, Norway
06/2017-08/2018 Researcher (100%), University of Bergen, Dept of Clinical Science
08/2016-05/2017 Researcher (50%), University of Bergen, Dept of Clinical Science, and Adviser (50%), Haukeland University Hospital, Centre on Patient-Reported Outcomes Data
07/2015- Researcher, University of Bergen, Dept of Clinical Science
01/2014- 06/2015 Researcher (30%) and Occupational Hygienist (70%), Haukeland University Hospital, Department of Occupational Medicine
01/2011- 12/2013 Postdoctor fellow, Norwegian Institute of Public Health (personal postdoctoral grant from the Research Council of Norway)
08/2011- 08/2013 Guest Researcher at the National Institute of Environmental Health Sciences (NIEHS/NIH), Epidemiology Branch, North Carolina, USA
06-12/2010 Adviser, Research Council of Norway, Department for Biology and Biomedicine
2004-2010 PhD-fellowship, Norwegian Institute of Public Health, Dept of Environmental Immunology
2001-2004 Research assistant, Cancer Registry of Norway, Oslo. Research on treatment of lung cancer. Project coordinator for implementing clinical and pathology cancer registration forms in the hospitals' case record systems

PhD and Post-doctoral continued education

2016 QIIME workshop (1 week), University of Bergen
2016 UPED622 PhD supervisor course, Program for University Pedagogy, University of Bergen
2014 INTH331 Preventive measures for chemical factors. Department of Global Public Health and Primary Care, University of Bergen
2014 INTH331 – Monitoring chemical factors in the work environment. Department of Global Public Health and Primary Care, University of Bergen
2005 Videregående statistikk: Tabellanalyse og logistisk regresjon. Universitetet i Oslo/Den norske legeförening
2005 Medisinsk forskningsmetode, Universitetet i Oslo/Den norske legeförening.
2005 MBV 4250 Generell immunologi og immunologiske teknikker, Universitetet i Oslo
2004 Praktisk kurs i klinisk, epidemiologisk og samfunnsmedisinsk forskning. Universitetet i Oslo/Den norske legeförening
2003 Graduate Summer Session in Epidemiology: "Design and conduct of clinical trials", "Cancer epidemiology", "Fundamentals of epidemiology" and "Analyses of clinical trials". The University of Michigan, School of Public Health, Ann Arbor, Michigan, USA
2002 Population-based cancer registration, The International Agency for Research on Cancer, Lyon, France

Grants/Awards/Honours

2018 ERC Starting Grant 2018. European Research Council (ERC) Starting Grant: *Oral bacteria as determinants for respiratory health* (Acronym: 'BRuSH'). Project number: 804199. Start

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| | January 1 2019 (5 year project) |
| 2018 | Kronprins Haakons Research Award for Asthma and Allergy Research (Initiative by the Norwegian Asthma and Allergy Foundation). |
| 2018- | Research project funding awarded for project: <i>Oral and Environmental Microbiome, Endotoxin and Lung Health; the 'United Airways' concept extended</i> from the 'Better Health and Quality of Life' (BEDREHELSE) –program within the Research Council of Norway. Start August 15, 2018 (5 year project) |
| 2017- | The Norwegian Asthma- and Allergy Foundation. Project title: Occurrence of house dust mite in a hospital population in Western Norway. |
| 2014-2018 | Young Research Talent grant, the Research Council of Norway. Project title: «Exposure to antibacterial compounds: The microbiome and allergic diseases» |
| 2011-2013 | Personal Post-Doctoral Fellowship, the Research Council of Norway (MILPAAHEL programme) |
| 2011-2012 | Fulbright Fellowship from the U.S.-Norway Fulbright Foundation for Educational Exchange for research in Medical Sciences at NIEHS/NIH |
| 2010 | Voksentoppen Research Award within paediatric allergology and pulmonology awarded for outstanding research within paediatric respiratory medicine and allergology. Oslo University Hospital, Oslo, Norway. |

Researcher education

Supervisor for 4 PhD students; Main supervisor for Hilde K. Vindenes (MD), Nils Oskar Jogi (MD), Hesham Amin (MSc), co-supervisor for Øistein Svanes (MD) and Antonio Perez Barrionuevo (cand.odont). Main supervisor for one medical student, Robin Olsen (master thesis).

Professional Affiliations and Administration

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| 2020 | MC Vice-Chair COST Action CA18131: Statistical and machine learning techniques in human microbiome studies |
| 2019- | Member, Management Committee, COST Action CA18131: Statistical and machine learning techniques in human microbiome studies |
| 2018- | Member, Scientific Advisory Board, Leibniz ScienceCampus for <u>Evolutionary Medicine of the Lung</u> (EvoLung), Germany. http://evolung.fz-borstel.de/index.php |
| 2017- | Associate Editor for the International Journal of Hygiene and Environmental Health. https://www.journals.elsevier.com/international-journal-of-hygiene-and-environmental-health/ |
| 2015-2016 | Chair, meeting planning committee, International Society for Children's Health and the Environment. http://www.ische.ca/ |
| 2014- | Member of the National Committee for Medical and Health Research Ethics (NEM), appointed by the Ministry of Education and Research |
| 2012- | Member, ISEE Ethics and Philosophy committee |
| 2011- | Member, International Society of Environmental Epidemiology (ISEE) |
| 2010- | Member, European Respiratory Society (ERS) |

Research Administration and Project Management

- PI, ERC starting grant 2018 (project start January 2019)
- PI, RCN BEDREHELSE-funded Researcher project (Aug 2018- Aug 2023)
- PI, RHINESSA Bergen centre
- RHINESSA Biobank Administrator
- RHINESSA Advisory Board
- University of Bergen: Project manager for research project (funded by Young Research Talent grant, RCN 2014-2018)
- Norwegian Institute of Public Health: Project manager for the postdoctoral project.
- Norwegian Institute of Public Health: PhD-project: Planned and organized the BOBRA study (BOlig, Barn, Risiko og Astma); development of questionnaires, protocols for home-visits for evaluation of indoor environment and individual feedback reports.
- The Cancer Registry of Norway: Coordinating a project for integrating the mandatory clinical and

pathological cancer registration forms into the hospitals' electronic case record system.

Other professional international education and experience

- Feb-March 2020 Leadership course in Oslo, Norway: "Fra fagekseperter til suksessfull leder" by Tekna <https://www.tekna.no/kursarkiv/fra-fagekseperter-til-suksessfull-leder-38640/>
- Norwegian Institute of Public Health. Working group for recommended technical standards for indoor environment: «Anbefalte faglige normer for innneklima» Rapport 2013: 7.
- Representing Norway at the WHO expert meeting on Environmental Health Inequalities in Europe; Bonn, Germany June 16-17, 2011.
- Adviser for the Nordic Exposure Group for Health, the Climate and Pollution Agency and the Food Control Authority in discussions concerning regulations of chemicals in the European Chemicals Agency and the European Commission.
- Course participation during research stay at NIEHS: language training course (both in spoken English and for writing in the sciences), grant writing courses, courses in statistical methods and programming (STATA and R), and courses in teaching and mentoring of students. Audited courses at UNC: "EPID710: Fundamentals of Epidemiology" (fall 2011), "EPID715: Theory and quantitative methods in epidemiology" (spring 2012), "EPID690: Problems in epidemiology: Integrating biomarkers in population-based research" (spring 2012), "EPID718: Epidemiologic analysis of binary data" (fall 2012). "EPID719: Readings in epidemiologic modeling" (fall 2012).

Publication track record

H-index: 18 (i10-index: 18), Citations: 808 (Web of science)

Researcher-ID: N-6917-2017

ORCID: <http://orcid.org/0000-0001-5319-525X>

Publications, International journals

1. Wang J, Janson C, Jogi R, Forsberg B, Gislason T, Holm M, Torén K, Malinowski A, Sigsgaard T, Schlünssen V, Svanes C, Johannessen A, Bertelsen RJ, Franklin KA, Norbäck D. A prospective study on the role of smoking, environmental tobacco smoke, indoor painting and living in old or new buildings on asthma, rhinitis and respiratory symptoms
2. Kuiper IN, Markevych I, Accordini S, Bertelsen RJ, Bråbäck L, Christensen JH, Forsberg B, Halvorsen T, Heinrich J, Hertel O, Hoek G, Holm M, de Hoogh K, Janson C, Malinowski A, Marcon A, Sigsgaard T, Svanes C, Johannessen A. Associations of Preconception Exposure to Air Pollution and Greenness with Offspring Asthma and Hay Fever. *Int J Environ Res Public Health*. 2020. 17(16):5828. doi: 10.3390/ijerph17165828.
3. Pape K, Svanes C, Sekbær CS, Malinowski A, Benediktsdóttir B, Forsberg B, Janson C, Benke G, Tjalvin G, Martinez-Moratalla J, Sanchez-Ramon JL, Zock JP, Toren K, Bråbäck L, Holm M, Jøgi R, Bertelsen RJ, Gislason T, Sigsgaard T, Liu X, Hougaard KS, Johannessen A, Lodge C, Dharmage SC, Schlunssen V. Parental occupational exposure pre- and post-conception and development of asthma in offspring. *Journal of Epidemiology*. 2020. Online ahead of print. doi: 10.1093/ije/dyaa085
4. Timm S, Svanes C, Frydenberg M, Sigsgaard T, Holm M, Janson C, Bråbäck L, Campbell B, Madsen MK, Jøgi NO, Jøgi R, Schiøler L, Bertelsen RJ, Johannessen A, Sanchez-Ramos JL, Martinez-Moretalla J, Dratva J, Dharmage S, Schlünssen V. Does parental farm upbringing influence the risk of asthma in offspring: A three-generation study. *International Journal of Epidemiology*. 2020. Online ahead of print. doi: 10.1093/ije/dyaa085
5. Mørkve Knudsen GT, Rezwan FI, Johannessen A, Skulstad SM, Bertelsen RJ, Real FG, Krauss-Etschmann S, Patil V, Jarvis D, Arshad SH, Holloway JW, Svanes C. Epigenome-wide association of father's smoking with offspring DNA methylation: a hypothesis-generating study. *Environ Epigenet*. 2019; 6;5(4):dvz023. doi: 10.1093/eep/dvz023. eCollection 2019
6. Jøgi NO, Kleppe Olsen R, Svanes C, Gislason D, Gislason T, Schlünssen V, Sigsgaard T, Sundbom F, Storaas T, Bertelsen RJ. Prevalence of allergic sensitization to storage mites in Northern Europe. *Clin Exp Allergy*. 2020; 50(3):372-38 50(3):372-38
7. Johannessen A, Lønnebotn M, Calciano L, Benediktsdóttir B, Bertelsen RJ, Bråbäck L, Dharmage S, Franklin KA, Gislason T, Holm M, Janson C, Jarvis D, Jogi R, Kim JL, Kirkeleit J, Lodge C, Malinowski A, Martinez-Moratella J, Nilsen RM, Pereira-Vega A, Real FG, Schlunssen V, Accordini S, Svanes C. Being overweight in childhood, puberty, or early adulthood: Changing asthma risk in the next generation? *J Allergy Clin Immunol*. 2020; 145(3):791-799.e4
8. Wang J, Pindus M, Janson C, Sigsgaard T, Kim JL, Holm M, Sommer J, Orru H, Gislason T, Johannessen A, Bertelsen RJ, Norbäck D. Dampness, mould, onset and remission of adult respiratory symptoms, asthma and rhinitis. *Eur Respir J*. 2019; 53(5).
9. Timm S, Schlünssen V, Benediktsdóttir B, Bertelsen RJ, Bråbäck L, Holm M, Jogi R, Malinowski A, Svanes C, Frydenberg M. Offspring reports on parental place of upbringing: Is it valid? *Epidemiology*. 2019; 30(3):e16-e18.

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10. Timm S, Frydenberg M, Abramson MJ, **Bertelsen RJ**, Bråbäck L, Benediktsdóttir B, Gislason T, Holm M, Janson C, Jøgi R, Johannessen A, Kim JL, Malinowski A, Mishra G, Moratalla J, Sigsgaard T, Svanes C, Schläunssen V. Asthma and selective migration from farming environments in a tree-generation cohort study. *Eur J Epidemiol*. 2019; 34(6):601-609.
11. Pape K, Svanes C, Malinowski A, Benediktsdóttir B, Lodge C, Janson C, Moratelle J, Sánchez-Ramos JL, Bråbäck L, Holm M, Jøgi R, **Bertelsen RJ**, Sigsgaard T, Johannessen A, Schläunssen V. Agreement of offspring-reported parental smoking status: the RHINESSA generation study. *BMC Public Health*. 2019; 19 (1):94
12. Königsten K, Infanger D, Bertelsen RJ, Johannes A, Waje-Andreassen U, Schmidt-Trucksass A, Svanes C, Dratva J. Is atopic sensitization associated with indicators of early vascular ageing in adolescents? *PLOS ONE*. 2019; 34(6).
13. Tjalvin G, Svanes Ø, **Bertelsen RJ**, Hollund BE, Aasen TB, Svanes C, Kirkeleit J. Hypersensitivity pneumonitis in fish processing workers diagnosed by inhalation challenge. *ERJ Open Res*. 2018; 3:4(4).
14. Kuiper IN, Svanes C, Benediktsdóttir B, **Bertelsen RJ**, Bråbäck L, Dharmage SC, Holm M, Janson C, Jøgi R, Malinowski A, Matheson M, Moratalla JM, Real FG, Sánchez-Ramos JL, Schläunssen V, Timm S, Johannessen A. Agreement in reporting of asthma by parents and offspring – the RHINESSA generation study. *BMC Pulm Med*, 2018; 18(1):122
15. Accordini S, Calciano L, Johannessen A, Portas L, Benediktsdóttir B, **Bertelsen RJ**, Bråbäck L, Carsin AE, Dharmage SC, Dratva J, Forsberg B, Gomez Real F, Heinrich J, Holloway JW, Holm M, Janson C, Jøgi R, Leynaert B, Malinowski A, Marcon A, Martínez-Moratalla Rovira J, Raheison C, Sánchez-Ramos JL, Schläunssen V, Bono R, Corsico AG, Demoly P, Dorado Arenas S, Nowak D, Pin I, Weyler J, Jarvis D, Svanes C; Ageing Lungs in European Cohorts (ALEC) Study. A three-generation study on the association of tobacco smoking with asthma. *Int J Epidemiol*, 2018; 47(4):1106-1117
16. Svanes Ø, **Bertelsen RJ**, Lygre SH, Anto JM, Carsin AE, Forsberg B, Garcia JM, Gullon JA, Heinrich J, Holm M, Jarvis D, Kongevinas M, Urrutia I, Leynaert B, Moratalla JM, Le Moual N, Lytras T, Norback D, Nowak D, Olivieri M, Pin I, Probst-Hensch N, Schläunssen V, Sigsgaard T, Skorge TD, Villani S, Zock JP, Svanes C. Cleaning at home and at work in relation to lung function decline and chronic airway obstruction. *Am J Respir Crit Care Med*, 2018; 1;197(9):1157-1163
17. Barrionuevo AP, Real FG, Igland J, Johannessen A, Omenaas E, Franklin KA, Barrionuevo LP, Åmstrøm AN, Svanes C, **Bertelsen RJ**. Periodontal health status and lung function in two Norwegian cohorts. *PLoS One*, 2018; 13(1):e0191410. doi: 10.1371/journal.pone.0191410.
18. Jøgi NO, Svanes C, Siiak SP, Holloway JW, Igland J, Johannessen A, Logan E, Real FG, Schläunssen V, Svanes C, Horsnell W, **Bertelsen RJ**. Toxocara and increasing allergies: A study of two generations in Norway. *Clin Exp Allergy*, 2018; 48(1):66-77.
19. Skulstad SM, Igland J, Johannessen A, **Bertelsen RJ**, Omenaas E, Svanes C, Real FG. Validation of maternal reported pregnancy and birth characteristics against the Medical Birth Registry of Norway. *PLoS One*, 2017; 12(8):e0191794
20. Vindenes HK, Svanes C, Lygre SH, Hollund BE, Langhammer A, **Bertelsen RJ**. Prevalence of and work-related risk factors for hand eczema in a Norwegian general population (HUNT3). *Contact Dermatitis*, 2017; 77(4):214-223
21. **Bertelsen RJ**, Rava M, Carsin AE, Accordini S, Benediktsdóttir B, Dratva J, Franklin KA, Heinrich J, Holm M, Janson C, Johannessen A, Jarvis DL, Jøgi R, Leynaert B, Norback D, Omenaas ER, Raheison C, Sánchez-Ramos JL, Schläunssen V, Sigsgaard T, Dharmage SC, Svanes C. Parental asthmatic and allergic activity before conception predicts asthma and allergy in the offspring. *Clin Exp Allergy*, 2017; 47:5:627-638 [Selected Editor's choice: Editor-in-Chief's Editorial DOI: 10.1111/cea.12932]
22. Norback D, Zock JP, Plana E, Heinrich J, Tischer C, **Bertelsen RJ**, Sunyer J, Kunzli N, Villani S, Olivieri M, Verlato G, Soon A, Schläunssen V, Gunnbjørnsdóttir MI, Jarvis D. Building dampness and mould in European homes in relation to climate, building characteristics and socio-economic status: The European Community Respiratory Health Survey ECRHS II. *Indoor Air*, 2017; 27(5):921-932.
23. Gislason T, **Bertelsen RJ**, Real FG, Sigsgaard T, Franklin KA; Lindberg E, Janson C, Arnardóttir ES, Hellgren J, Benediktsdóttir B, Forsberg B, Johannessen A. Self-reported exposure to traffic pollution in relation to daytime sleepiness and habitual snoring: a questionnaire study in seven North-European cities. *Sleep Medicine*, 2016; 24:93-99
24. **Bertelsen RJ**, Svanes Ø, Madsen AM, Hollund BE; Kirkeleit J, Sigsgaard T, Van Do T, Le LAK, Aasen T, Svanes C. Pulmonary illness as a consequence of occupational exposure to shrimp shell powder. *Environmental Research*, 2016; 148:491-9.
25. Svanes C, Koplín J, Skulstad SM, Johannessen A, **Bertelsen RJ**, Benediktsdóttir B, Bråbäck L, Carsin AE et al. Father's environment before conception and asthma risk in his children: a multi-generation analysis of the Respiratory Health in Northern Europe study. *Int J Epidemiol*, 2017; 46(1):235-245
26. Jensen ET, **Bertelsen RJ**. Assessing early life factors for eosinophilic esophagitis: Lessons from other allergic diseases. *Curr Treat Options Gastroenterol*, 2016; 14(1):39-50
27. Julia Dratva, **Bertelsen RJ**, Janson C, Johannessen A, Benediktsdóttir B, Bråbäck L, Dharmage SC, Forsberg B, Gislason T, Jarvis D, Jøgi R, Lindberg E, Norback D, Omenaas E, Skorge TD, Sigsgaard T, Toren K, Waatevik M, Wieslander G, Schläunssen V, Svanes C, Real FG. Validation of self-reported figural drawing scales against anthropometric measurements in adults. *Public Health Nutrition*, 2016; 19(11):1944-51
28. **Bertelsen RJ**, Jensen ET, Ringel-Kulka T. Use of probiotics and prebiotics in infant feeding. *Best Pract Res Clin Gastroenterol*. 2016 Feb;30(1):39-48.
29. Real FG, Barrionuevo LP, Franklin K, Lindberg E, **Bertelsen RJ** et al. The association of gum bleeding with respiratory health in a population based study from Northern Europe. *PLoS One* 2016, Jan 25;11(1):e0147518.
30. Svanes Ø, Skorge TD, Johannessen A, **Bertelsen RJ**, Bråbäck L, Forsberg B, Gislason T, Holm M, Janson C, Jøgi R, Macsali F,

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- Norbäck D, Omenaas ER, Real FG, Schlünssen V, Sigsgaard T, Wieslander G, Zock JP, Aasen T, Dratva J, Svanes C. Respiratory health in cleaners in Northern Europe: Is susceptibility established in early life? *PLoS One* 2015; 13; 10(7): e0131959.
31. Triebner K, Johannessen A, Puggini L, Benediktsdóttir B, **Bertelsen RJ**, Bifulco E, Dharmage SC, Dratva J, Franklin K, Gíslason T, Holm M, Janson C, Jarvis D, Leynaert B, Lindberg E, Malinovsky A, Macsali F, Norbäck D, Omenaas ER, Rodriguez-Sanchez F, Saure E, Schlünssen V, Sigsgaard T, Skorge TD, Wieslander, Zemp E, Svanes C, Hustad S, Real FG. Menopause as a predictor of new-onset asthma: A longitudinal Northern European population study. *J Allergy Clin Immunol* 2016; 137(1):50-57.
 32. Guidry VT, Longnecker MP, Aase H, Eggesbø M, Zeiner P, Reichborn-Kjennerud T, Knudsen GP, **Bertelsen RJ**, Ye X, Calafat AM, Engel SM. Measurement of Total and Free Urinary Phenol and Paraben Concentrations over the Course of Pregnancy: Assessing Reliability and Contamination of Specimens in the Norwegian Mother and Child Cohort Study. *Environ Health Perspect*. 2015; 123(7): 705-11
 33. **Bertelsen RJ**, Engel SM, Jusko TA, Calafat AM, Hoppin JA, London SJ, Eggesbo ME, Aase H, Zeiner P, Reichborn-Kjennerud T, Gun P. Knudsen, Guidry VT, Longnecker MP. Reliability of triclosan measures in repeated urine samples from Norwegian pregnant women. *J Expo Sci Environ Epidemiol* 2014; 24(5):517-21.
 34. **Bertelsen RJ**, Fæste CK, Granum B, London SJ, Egaas E, Carlsen KCL, Carlsen K-H, Løvik M. Food allergens in mattress dust in Norwegian Homes; a Potential Important Source of Allergen Exposure. *Clin Exp Allergy* 2014; 44(1):142-9.
 35. **Bertelsen RJ**, Brantsæter AL, Magnus M, Haugen M, Myhre R, Jacobsson B, Longnecker MP, Meltzer HM, London SJ. Probiotic milk consumption in pregnancy and infancy and subsequent childhood allergic disease. *J Allergy Clin Immunol*, 2014; 133(1):165-171.
 36. Bolling AK, Holme JA, Bornehag CG, Nygård UC, **Bertelsen RJ**, Nånberg E, Bodin J, Sakhi AK, Thomsen C, Becher R. Pulmonary phthalate exposure and asthma – is PPAR a plausible mechanistic link? *Experimental and Clinical Sciences*, 2013; 12:733-759
 37. Hoppin JA, Jaramillo R, London S, **Bertelsen RJ**, Salo P, Sandler D, Zeldin DC. Phthalate Exposure and Allergy in the US Population: Results from NHANES 2005-2006. *Environ Health Perspect*, 2013; 121(10): 1129-34.
 38. **Bertelsen RJ**, Longnecker MP, Løvik M, Calafat AM, Carlsen KH, London SJ, Lødrup-Carlsen KC. Triclosan exposure and allergic sensitization in Norwegian children. *Allergy* 2013;68(1):84-91.
 39. **Bertelsen RJ**, Lødrup-Carlsen KC, Calafat AM, Hoppin JA, Haland G, Mowinckel P, Carlsen KH, Løvik M. Urinary Biomarkers for Phthalates Associated with Asthma in Norwegian Children. *Environ Health Perspect* 2013;121(2):251-256. Featured as a Science Selection in the February Issue of EHP: <http://ehp.niehs.nih.gov/2013/02/121-a59/>
 40. Munthe-Kaas MC, **Bertelsen RJ**, Torjussen TM, Hjorthaug HS, Undlien DE, Lyle R, Gervin K, Granum B, Mowinckel P, Carlsen KH, Lødrup-Carlsen KC. Pet keeping and tobacco exposure influence CD14 methylation in childhood. *Pediatr Allergy Immunol* 2012; 23(8):747-754.
 41. **Bertelsen RJ**, Instanes C, Granum B, Hetland G, Lødrup-Carlsen KC, Carlsen K-H, , Mowinckel P, Løvik M. Gender differences in indoor allergen exposure and association with current rhinitis. *Clin Exp Allergy* 2010; 40(9): 1388-97.
 42. **Bertelsen RJ**, Lødrup Carlsen KC, Carlsen K-H. Rhinitis in children: Co-morbidities and phenotypes. *Pediatr Allergy Immunol* 2010; Jun;21(4 Pt 1): 612-22
 43. **Bertelsen RJ**, Lødrup Carlsen KC, Granum B, Carlsen K-H, Håland G, Devulapalli CS, Munthe-Kaas MC, Mowinckel P, Løvik M. Do allergic families avoid keeping furry pets? *Indoor Air* 2010; 20(3), 187-195.
 44. **Bertelsen RJ**, Carlsen KCL, Carlsen K-H, Granum B, Doekes G, Håland G, Mowinckel P, Løvik M. Childhood asthma and early life exposure to indoor allergens, endotoxin and $\beta(1,3)$ -glucans. *Clin Exp Allergy* 2010; 40 (2): 307-316.
 45. Madsen C, Carlsen KCL, Hoek G, Oftedal B, Nafstad P, Meliefste K, **Jacobsen R**, Nystad W, Carlsen K-H, Brunekreef B. Modeling the intra-urban variability of outdoor traffic pollution in Oslo, Norway – A GA²LEN project. *Atmospheric Environment* 2007; 41, 7500-7511.
 46. Rostad H, Naalsund A, Strand T-E, **Jacobsen R**, Talleraas O, Norstein J. Results of pulmonary resection for lung cancer in Norway, patients older than 70 years. *Eur J Cardiothorac Surg* 2005; 27, 325-328.
 47. Rostad H, Naalsund A, **Jacobsen R**, Strand T-E, Norstein J. Causes of postoperative mortality after lung cancer surgery [Article in Norwegian] *Tidsskr Nor Lægeforen* 2004; 124, 313-315.
 48. Rostad H, Naalsund A, **Jacobsen R**, Strand T-E, Scott H, Strøm EH, Norstein J. Small cell lung cancer in Norway. Should more patients have been offered surgical therapy? *Eur J Cardiothorac Surg* 2004; 26, 782-786.
 49. Rostad H, Naalsund A, Norstein J, **Jacobsen R**, Aaløkken TM. Is the treatment of lung cancer in Norway adequate? [In Norwegian] *Tidsskr Nor Lægeforen* 2002; 122, 2258-62.

Publications, Norwegian journals for Health personnel

1. Omenaas R, **Bertelsen RJ**. Kliniske markører for astma og IgE hos foreldre før og etter barnets konsepsjon er forbundet med astma og høysnue hos barna - en europeisk populasjonsbasert studie. *Best Practice Lungemedisin* 2017, in press.
2. **Bertelsen RJ**, Svanes Ø, Kirkeleit J, Svanes C. Produksjon av rekeskallpulver som årsak til lungesykdom. *Best Practice Lungemedisin* 2017, in press.
3. Svanes C, Svanes Ø, **Bertelsen RJ**, Storaas T, Granslo JT, Svendsen LL, Aasen TB, Kirkeleit J. Hypersensitivitetspneumonitt – en underkjent luftveissykdom hos frisører. *Allergi i Praksis*, in press
4. Kirkeleit J, Svanes Ø, **Bertelsen RJ**, Storaas T, Svendsen LL, Eide RE, Aasen TB, Svanes C. Diagnostikk av yrkesrelatert astma og hypersensitivitetspneumonitt med spesifikk bronkial provokasjon i Norge. *Allergi i Praksis* 2016; 1: 42-49.
5. Svanes C, Real FG, Johannessen A, **Bertelsen RJ**. Transgenerasjonelle forhold og betydningen for astma og allergi. *Best Practice*

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Lungemedisin 2016; 19:22-25. Review.

6. **Bertelsen RJ.** Miljøgifter og utvikling av astma og allergisk rhinitt. *Allergi i Praksis* 2014; 3: 24-29
7. Svanes Ø, Skorge TD, **Bertelsen RJ**, Aasen T, Svanes C. Astma og renholdsarbeidere. *Allergi i Praksis* 2014; 3: 30-33
8. **Bertelsen RJ.** Triklolan-eksponering og allergi hos norske barn. *BestPractice Lungemedisin* 2014; 11: 21-23.
9. **Bertelsen RJ.** Allergener i innemiljøet og allergisk sykdom hos barn. *Allergi i Praksis* 2012; 1: 6-12.

Book chapter

1. Jensen ET, **Bertelsen RJ**, Ringel Kulka T. "The Microbiota of the Gastrointestinal Tract in Infancy", book chapter in "The Microbiota in Gastrointestinal Pathophysiology: Implications for Human Health, Prebiotics, Probiotics and Dysbiosis" 1st Edition 2016 Academic press. ISSN/ISBN 9780128040249

Popular publications and interviews

1. **Bertelsen RJ**, in interview with Mishamandani S. Global Environmental Health Newsletter. May 2013; http://www.niehs.nih.gov/research/programs/geh/geh_newsletter/2013/5/training/index.cfm#a420709
2. **Bertelsen RJ**, in interview with Ahearn A. Phthalates and Childhood Asthma, with Randi Bertelsen [podcast]. Environ Health Perspect (1 Mar 2013); <http://ehp.niehs.nih.gov/trp030113/>
3. **Bertelsen RJ**, in interview with Arnette R. Antimicrobial compound associated with allergies. Environmental Factor. December 2012: <http://www.niehs.nih.gov/news/newsletter/2012/12/science-allergies/index.htm>
4. **Bertelsen RJ**, in interview with Fugelsnes E [In Norwegian]. Kjemikalie i tannkrem og kosmetikk kan øke allergirisiko. [Forskning.no/artikler/2012/November/339486](http://forskning.no/artikler/2012/November/339486)
5. **Bertelsen RJ**, interview, Research Council of Norway. Triklolan kan øke allergirisiko [In Norwegian]. Nov 2012. http://www.forskningsradet.no/prognett-milgenhel/Nyheter/Triklolan_kan_oke_allergirisiko
6. **Bertelsen RJ**, radiointerview with Kalfoss, AJ [In Norwegian]. NRK P2: EKKO. Astma og Allergi hos norske barn. April 2011
7. **Bertelsen RJ**, in interview with Fantoft S [In Norwegian]. *Katter kan gi astma*. AstmaAllergi. 2010; 50(4)
8. **Bertelsen RJ**, in interview with Fugelsnes E [In Norwegian]. *Katter kan øke astmarisiko*. [Forskning.no/artikler/2010/februar/242805](http://forskning.no/artikler/2010/februar/242805)
9. **Bertelsen RJ**, in interview on TV, NRK [In Norwegian]: Supernytt for barn. *Katt kan gi astma*. 02.23.2010: <http://nrksuper.no/super/supernytt/2010/02/23/katt-kan-gi-astma/>

Meeting presentations

1. **Bertelsen RJ.** Nordic Allergology Meeting in Oslo, Norway. November 2019
2. **Bertelsen RJ.** Allergener i de norske soverom [in Norwegian]. ThermoScientific Yearly allergy meeting in Oslo, Norway, November 2019 [Invited speaker]
3. **Bertelsen RJ.** *In Norwegian: Munnhelse I et folkehelseperspektiv: resultater fra RHINE og RHINESSA studiene.* Dobbeltkompetansesamling i Bergen, Institute of Clinical Odontology, University of Bergen, Grand Hotel Terminus, Bergen, Norway, October 2019 [Invited speaker]
4. **Bertelsen RJ.** Oral microbiome in allergy and asthma. The Swedish Allergy Day "The oral route – a highway to health" in Stockholm, Sweden, October 2019 [Invited Keynote speaker]
5. **Bertelsen RJ.** Antibacterial chemicals and changes in the oral microbiome. Speaker, chair and organizer of symposium "Interaction between environmental chemicals and toxicants and the human microbiome" at the International Society for Environmental Epidemiology (ISEE) meeting in Utrecht, the Netherlands August 25-28, 2019.
6. **Bertelsen RJ.** Oral and Environmental Microbiome as Determinants for Respiratory Health. Epi Branch Meeting at National Institute of Environmental Health Sciences (NIEHS/NIH), North Carolina, USA. June 2019 [Invited speaker].
7. **Bertelsen RJ.** *In Norwegian: Allergener i de norske soverom.* Allergifrisk 2019 (Conference on allergy arranged by the Health Authority (Helsedirektoratet), in Oslo, Norway, April 2019 [Invited speaker].
8. **Bertelsen RJ.** *In Norwegian: Munnhelse og lungehelse: Hvordan bakterier I munnhulen påvirker kroppen vår.* Research day, Institute of Clinical Odontology, University of Bergen, in Bergen, Norway, December 2018 [Invited keynote speaker]
9. **Bertelsen RJ.** Oral microbiome and human health and disease. 5th National microbiota conference in Oslo, Norway, November 2018 [Invited Keynote speaker].
10. **Bertelsen RJ.** Oral microbiome in human health and disease. Broegelmanns forskningslaboratorium, University of Bergen, November 2018 [Invited speaker].
11. Øistein Svanes, Ane Johannessen, Shyamal Peddada, Francisco Gomez Real, Cecilie Svanes, **Randi J. Bertelsen.** Oral microbiome and lung function. European Respiratory Society congress in Paris, France: September 2018 [Oral Presentation]. *European Respiratory Journal* 2018 52: Suppl. 62, OA5183. DOI: 10.1183/13993003.congress-2018.OA5183
12. **Bertelsen RJ.** The oral microbiome – the united airways concept extended. 1st Borstel Asthma & Allergy Conference in Borstel, Germany; April 2018 [Invited speaker and chair].
13. **Bertelsen RJ** et al. Association between antibacterial chemicals, oral microbiome and lung function. InFLAME workshop in

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- Canmore, Alberta, Canada; April 2018 [Oral presentation].
14. **Bertelsen RJ** et al. Exposure to antibacterial chemicals influence oral microbiome composition. 5th World congress on targeting microbiota in Berlin, Germany; Oct 2017 [Oral presentation].
 15. **Bertelsen RJ** et al. Oral microbiome and associations with chemical exposure, asthma and lung function. The European Respiratory Society (ERS) Annual Congress in Milan, Italy; Sept 2017 [Oral presentation]
 16. **Bertelsen RJ** et al. Exposure to antibacterial chemicals and changes in oral microbiome are associated with lung function among women but not men. American Thoracic Society (ATS) congress in Washington D.C., USA; May 2017 [Poster presentation].
 17. **Bertelsen RJ**. Microbial composition in the oral cavity and lung health; the 'United Airways' concept extended. Invited guest speaker, Research Center Borstel, Germany. April 2017 [Invited speaker]
 18. **Bertelsen RJ**. Naturlig mangfold og utvikling av et normalt immunsystem – toleranse eller allergi? Fortetting og urbanisering – fremmer det miljø og folkehelse? Tekna og Norsk forening for bedre innemiljø for barn. Oslo, Dec 2016 [Invited speaker]
 19. **Bertelsen RJ**. Eksponering for kjemikalier i dagligliv – hvilke endringer ser vi. Kjemikaliedagene, Oslo Oct 20, 2016 [Invited speaker]
 20. **Bertelsen RJ** et al. Use of oral and nasal tobacco and asthma symptoms in a Nordic population. The European Respiratory Society (ERS) Annual Congress in London, Great Britain; Sept 2016 [Poster discussion session]
 21. **Bertelsen RJ** et al. Bacterial load from saliva and gingival samples and associations with oral health. 28th Annual Conference of the International Society for Environmental Epidemiology in Rome, Italy, Aug 2016 [Poster presentation].
 22. **Bertelsen RJ**. Spesifikk provokasjon i diagnostikk av yrkesrelaterte lungesykdommer og allergiske lidelser. Vestnorsk lungeforum. Bergen; November 2015 [Invited speaker]
 23. **Bertelsen RJ** et al. Lungesykdom etter eksponering for rekeskall. NFL Høstmøte. Oslo. Nov 2015 [Presented by Tor B Aasen]
 24. **Bertelsen RJ** et al. Organic dust toxic syndrome caused by occupational exposure to shrimpshell powder. The European Respiratory Society (ERS) Annual Congress in Amsterdam, Netherlands; Sept 2015 [Thematic poster]
 25. **Bertelsen RJ**. Helminths and allergy in South-Africa and Northern Europe. The International Inflammation Network. 4th Annual Workshop. Marburg, Germany; June 2015 [Invited speaker]
 26. **Bertelsen RJ**. Rekeskall – en kilde til pustebesvær? Foredrag på vegne av Arbeid medisinsk poliklinikk, YMA. Fredagsforelesning Haukeland Universitetssykehus; Mai 2015. [Oral presentation]
 27. **Bertelsen RJ**. Utfordringer og erfaringer som prosjektleder. Norges Forskningsråds samling for unge forskertalenter. Oslo; Mars 2015 [Invited speaker]
 28. **Bertelsen RJ** et al. **Parents having worked as cleaners and offspring's atopic eczema**. The European Respiratory Society (ERS) Annual Congress in Munich, Germany; Sept 2014 [Oral presentation].
 29. **Bertelsen RJ** et al. **Parental self-perceived body shape and offspring asthma**. The European Respiratory Society (ERS) Annual Congress in Munich, Germany; Sept 2014 [Poster discussion session].
 30. **Bertelsen RJ** et al. Associations between biomarkers of phthalate exposure and acute bronchiolitis and exzema in Norwegian infants. 26th Annual Conference of the International Society for Environmental Epidemiology in Seattle, USA, Aug 2014 [Poster presentation].
 31. **Bertelsen RJ**. The microbiome – raising new questions. The inaugural retreat of the International Society of Children's Health and the Environment (ISCHE) Whidbey Island, WA, USA, August 2014 [Invited speaker]
 32. **Bertelsen RJ** et al. Maternal Probiotic Intake and Respiratory and Allergy Outcomes in Early Childhood. American Academy of Allergy, Asthma & Immunology (AAAAI) 2013 Annual Meeting in San Antonio, TX. Feb 2013 [Oral presentation].
 33. **Bertelsen RJ** et al. Food allergens in mattress dust in Norwegian Homes: a significant source of allergen exposure? Food Allergy and Anaphylaxis Meeting in Nice, France. Feb 2013 [Presented by Martinus Løvik]
 34. **Bertelsen RJ** et al. Food allergens in mattress dust in Norwegian Homes. 10th annual NIEHS Science Day in Research Triangle Park NC, USA. Nov 2012 [Poster presentation].
 35. **Bertelsen RJ** et al. Triclosan Exposure and Allergic Sensitization in Norwegian Children. 24th Annual Conference of the International Society for Environmental Epidemiology in Columbia SC, USA, Aug 2012 [Poster presentation].
 36. **Bertelsen RJ** et al. Triclosan Exposure and Allergic Sensitization in Children and Adolescents from the National Health and Nutrition Examination Survey (NHANES) 2005-2006. 24th Annual Conference of the International Society for Environmental Epidemiology in Columbia SC, USA, Aug 2012 [E-poster presentation]
 37. **Bertelsen RJ** et al. Triclosan Exposure and Allergic Sensitization in Norwegian Children. ATS Congress in San Francisco, USA; May 2012 [Poster presentation].
 38. **Bertelsen RJ**. Triclosan and Allergy in 10-year old Norwegian Children. Workshop on Bisphenol A, triclosan and parabens in HBM. Organized by the DEMOCOPHES and COPHES WP 7 in Brussels, Belgium; Dec 2011 [Invited speaker]
 39. **Bertelsen RJ** et al. Endocrine disrupting chemicals from cosmetics in Norwegian 10-year-old children. The Society of Toxicology (SOT) Annual Meeting in Washington D.C., USA, Mar 2011 [Poster presentation].
 40. **Bertelsen RJ**. Phthalate exposure and asthma in Norwegian children. Rhinesa (ECRHS/RHINE) Generation Study Meeting in Os, Norway; Jan 2011 [Invited speaker].

